

CLAIMS

1. A fuselage of aircraft whose width is substantially greater than the height in the closed cross-section thereof, the fuselage comprising frames which are successively disposed along the fuselage and to which the external skin is fixed, stringers connected to the skin and frames and the external elements of the frames, wherein said fuselage is provided, along the length of the airtight part thereof, with longitudinal bearing arched structures which reinforce the top and lower parts of the fuselage, are disposed on the lateral sides and comprise connected to each other a lower longitudinal bearing element, vertical posts arranged on the frames at a given number of spacings and the top bearing elements provided with arched elements placed between the adjacent posts.
2. The fuselage according to claim 1, wherein said longitudinal bearing structures are installed on the lateral sides near the places of transition of substantially flat part of the fuselage into its rounded part.
3. The fuselage according to claim 1, wherein said lower longitudinal bearing elements have arched elements placed between the adjacent posts.
4. The fuselage according to claim 1, wherein said vertical posts are formed as a wall and profiles supporting it.
5. The fuselage according to claim 1, wherein said external elements of the frames include top transverse beams and lower transverse beams, the construction height of the lower beams being greater than the construction height of the top beams.
6. The fuselage according to claim 1, wherein said longitudinal bearing structures are connected in the tail part of the fuselage to the pressure dome.